

<210> 3
 <211> 68
 <212> PRT
 <213> Homo sapiens

<220>
 <223> TC-1* thrombocidin variant

<400> 3
 Ala Glu Leu Arg Cys Met Cys Ile Lys Thr Thr Ser Gly Ile His Pro
 1 5 10 15
 Lys Asn Ile Gln Ser Leu Glu Val Ile Gly Lys Gly Thr His Cys Asn
 20 25 30
 Gln Val Glu Val Ile Ala Thr Leu Lys Asp Gly Arg Lys Ile Cys Leu
 35 40 45
 Asp Pro Asp Ala Pro Arg Ile Lys Lys Ile Val Gln Lys Lys Leu Ala
 50 55 60
 Gly Asp Glu Ser
 65

<210> 4
 <211> 5
 <212> PRT
 <213> Homo sapiens

<220>
 <223> N-terminus of TC-1d thrombocidin

<400> 4
 Tyr Ala Glu Leu Arg
 1 5

<210> 5
 <211> 5
 <212> PRT
 <213> Homo sapiens

<220>
 <223> C-terminus of TC-1d thrombocidin

<400> 5
 Ala Gly Asp Glu Ser
 1 5

<210> 6
 <211> 83
 <212> PRT
 <213> Homo sapiens

<220>
 <223> TC-2 thrombocidin

<400> 6
 Asn Leu Ala Lys Gly Lys Glu Glu Ser Leu Asp Ser Asp Leu Tyr Ala
 1 5 10 15
 Glu Leu Arg Cys Met Cys Ile Lys Thr Ser Gly Ile His Pro Lys
 20 25 30
 Asn Ile Gln Ser Leu Glu Val Ile Gly Lys Gly Thr His Cys Asn Gln
 35 40 45
 Val Glu Val Ile Ala Thr Leu Lys Asp Gly Arg Lys Ile Cys Leu Asp

50 55 60
 Pro Asp Ala Pro Arg Ile Lys Lys Ile Val Gln Lys Lys Leu Ala Gly
 65 70 75 80
 Asp Glu Ser

<210> 7
 <211> 34
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Forward primer

<220>
 <221> misc_feature
 <222> (5)...(10)
 <223> BamHI restriction site

<400> 7
 tataggatcc atgagcctca gacttgatac cacc

34

<210> 8
 <211> 38
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Reverse primer

<220>
 <221> misc_feature
 <222> (5)...(10)
 <223> BamHI restriction site

<220>
 <221> terminator
 <222> (11)...(13)
 <223> Stop sequence

<400> 8
 tataggatcc tcaatcagca gattcatcac ctgccaat

38

<210> 9
 <211> 33
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Forward primer for CTAP-III and TC-2

<220>
 <221> misc_feature
 <222> (7)...(12)
 <223> NdeI restriction site

<400> 9
 gtgtaacata tgaacttggc gaaaggcaaa gag

33

<210> 10
 <211> 33
 <212> DNA

<213> Homo sapiens

<220>

<223> Forward primer for NAP-2 and TC-1*

<220>

<221> misc_feature

<222> (7)...(12)

<223> NdeI restriction site

<400> 10

gtgtaacata tgtatgctga actccgctgc atg

33

<210> 11

<211> 36

<212> DNA

<213> Homo sapiens

<220>

<223> Forward primer for TC-1

<220>

<221> misc_feature

<222> (7)...(12)

<223> NdeI restriction site

<400> 11

gtgtaacata tgtatctccg ctgcatgtgt ataaag

36

<210> 12

<211> 68

<212> PRT

<213> Homo sapiens

<220>

<223> TC-1 thrombocidin

<400> 12

Leu	Arg	Cys	Met	Cys	Ile	Lys	Thr	Thr	Ser	Gly	Ile	His	Pro	Lys	Asn
1				5					10					15	
Ile	Gln	Ser	Leu	Glu	Val	Ile	Gly	Lys	Gly	Thr	His	Cys	Asn	Gln	Val
			20					25					30		
Glu	Val	Ile	Ala	Thr	Leu	Lys	Asp	Gly	Arg	Lys	Ile	Cys	Leu	Asp	Pro
			35				40					45			
Asp	Ala	Pro	Arg	Ile	Lys	Lys	Ile	Val	Gln	Lys	Lys	Leu	Ala	Gly	Asp
			50				55				60				
Glu	Ser	Ala	Asp												
			65												

<210> 13

<211> 70

<212> PRT

<213> Homo sapiens

<220>

<223> NAP-2 (neutrophil activating peptide)

<400> 13

Ala	Glu	Leu	Arg	Cys	Met	Cys	Ile	Lys	Thr	Thr	Ser	Gly	Ile	His	Pro
1				5					10					15	
Lys	Asn	Ile	Gln	Ser	Leu	Glu	Val	Ile	Gly	Lys	Gly	Thr	His	Cys	Asn

```
<210> 14
<211> 69
<212> PRT
<213> Escherichia coli
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```

<400> 14
Met Ala Glu Leu Arg Cys Met Cys Ile Lys Thr Thr Ser Gly Ile His
  1          5          10          15
Pro Lys Asn Ile Gln Ser Leu Glu Val Ile Gly Lys Gly Thr His Cys
          20          25          30
Asn Gln Val Glu Val Ile Ala Thr Leu Lys Asp Gly Arg Lys Ile Cys
          35          40          45
Leu Asp Pro Asp Ala Pro Arg Ile Lys Lys Ile Val Gln Lys Lys Leu
          50          55          60
Ala Gly Asp Glu Ser
  65

```

```
<210> 15
<211> 84
<212> PRT
<213> Escherichia coli
```

```

<400> 15
Met Asn Leu Ala Lys Gly Lys Glu Glu Ser Leu Asp Ser Asp Leu Tyr
  1             5             10             15
Ala Glu Leu Arg Cys Met Cys Ile Lys Thr Thr Ser Gly Ile His Pro
      20             25             30
Lys Asn Ile Gln Ser Leu Glu Val Ile Gly Lys Gly Thr His Cys Asn
      35             40             45
Gln Val Glu Val Ile Ala Thr Leu Lys Asp Gly Arg Lys Ile Cys Leu
      50             55             60
Asp Pro Asp Ala Pro Arg Ile Lys Lys Ile Val Gln Lys Lys Leu Ala
      65             70             75             80
Gly Asp Glu Ser

```

```
<210> 16
<211> 91
<212> PRT
<213> Escherichia coli
```

```
<220>
<221> SITE
<222> (1)...(21)
<223> Antimicrobial activity enhancing sequence (Histaq)
```

<400> 16

```
Met Gly His His His His His His His His His Ser Ser Gly His
 1           5           10           15
Ile Glu Gly Arg His Met Tyr Leu Arg Cys Met Cys Ile Lys Thr Thr
      20           25           30
Ser Gly Ile His Pro Lys Asn Ile Gln Ser Leu Glu Val Ile Gly Lys
      35           40           45
Gly Thr His Cys Asn Gln Val Glu Val Ile Ala Thr Leu Lys Asp Gly
      50           55           60
Arg Lys Ile Cys Leu Asp Pro Asp Ala Pro Arg Ile Lys Lys Ile Val
      65           70           75           80
Gln Lys Lys Leu Ala Gly Asp Glu Ser Ala Asp
      85           90
```

<210> 17

<211> 93

<212> PRT

<213> Escherichia coli

<220>

<223> rYNAP (NAP with an N-terminal His-tag, plus a tyrosine residue)

<220>

<221> SITE

<222> (1)...(21)

<223> Antimicrobial activity enhancing sequence (Histag)

<400> 17

```
Met Gly His His His His His His His His His Ser Ser Gly His
 1           5           10           15
Ile Glu Gly Arg His Met Tyr Ala Glu Leu Arg Cys Met Cys Ile Lys
      20           25           30
Thr Thr Ser Gly Ile His Pro Lys Asn Ile Gln Ser Leu Glu Val Ile
      35           40           45
Gly Lys Gly Thr His Cys Asn Gln Val Glu Val Ile Ala Thr Leu Lys
      50           55           60
Asp Gly Arg Lys Ile Cys Leu Asp Pro Asp Ala Pro Arg Ile Lys Lys
      65           70           75           80
Ile Val Gln Lys Lys Leu Ala Gly Asp Glu Ser Ala Ile
      85           90
```

<210> 18

<211> 86

<212> PRT

<213> Escherichia coli

<220>

<223> rMCTAP (CTAP with an additional N-terminal methionine)

<400> 18

```
Met Asn Leu Ala Lys Gly Lys Glu Glu Ser Leu Asp Ser Asp Leu Tyr
 1           5           10           15
Ala Glu Leu Arg Cys Met Cys Ile Lys Thr Thr Ser Gly Ile His Pro
      20           25           30
Lys Asn Ile Gln Ser Leu Glu Val Ile Gly Lys Gly Thr His Cys Asn
      35           40           45
Gln Val Glu Val Ile Ala Thr Leu Lys Asp Gly Arg Lys Ile Cys Leu
      50           55           60
Asp Pro Asp Ala Pro Arg Ile Lys Lys Ile Val Gln Lys Lys Leu Ala
```

65 70
Gly Asp Glu Ser Ala Asp
85

75

80